

### **ABSTRACT OF THE DISCLOSURE**

In compressions of digital images having a plurality of initial pixels, an image type and a quantization step-size set preassigned to the image type, are associated with a respective coordinate of each of the initial pixels. The digital image is decomposed to produce a plurality of subbands. Coefficients of the subbands define a plurality of resultant pixels, each having a respective one of the coordinates. The subband coefficients also define, for each subband coefficient, a group of resultant pixels to which the subband coefficient contributes. After the decomposition, each of the subband coefficients are shrunk by a respective adjustment that is a function of the respective quantization step-size sets associated with the coordinates of the resultant pixels to which the subband coefficient contributes.